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CHINESE LISTED COMPANY

STOCK CODE: SZ 300986

PPVC PRECAST HOUSING MOLDS

PPVC整屋预制模具系统



公司介紹 Company Profile

志特集团主营绿色建筑和新能源两大板块。
绿色建筑包括模架及装配式建筑,即铝模,爬升式模架,钢模板体系,钢框木模,清水混凝土特色建筑,装配式建筑PC、整屋装配式PPVC/MIC,装配式钢结构。
新能源主营“光、储、充”项目投资、建设、运维。
“志特新材”于2021年在A股创业板挂牌上市,目前已在全球设立12大生产基地,在31个国家和地区注册了“GETO®”国际商标,产品和服务遍及全球。

GETO is mainly engaged in Green Construction and New Energy.
Green construction includes formwork and prefabricated construction, specifically aluminium formwork, climbing system, steel formwork, steel-framed timber formwork, fair-faced concrete building, assembly precast concrete components, PPVC/ MIC precast housing molds and prefabricated steel structure.

The main focus of new energy is investment, construction, and operation of "Photovoltaics, Storage, and Charging" projects.

GETO was listed on the ChiNext board of the A-share market in 2021, and currently has established 12 production bases around the world, registered 31 international trademarks in different countries and regions. Our products and services have sold well worldwide.

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PRODUCT INTRODUCTION 产品介绍

01

志特顺应新加坡政府建筑工业化的倡议,秉持着以客户为中心的经营理念,与合作伙伴共同经过多次的产品研发升级,成功推出PPVC整屋预制模具系统及其附属产品。

Upholding the business philosophy of customer focused, GETO and its partners collaboratively committed into product development and upgrading works for the successful introduction of prefabricated prefinished volumetric construction(PPVC) precast housing molds system and its complementary products, as in compliance with the construction industrialization agenda proposed by Singapore Government.



志特服务 GETO SERVICES



定制化的
设计生产服务

Customized design
and production



专业的现场
安装指导服务

Professional
on-site support



高质量的产品交付
和施工效果

Qualified formwork system
and products (structure)

PPVC整屋预制模具系统 PPVC PRECAST HOUSING MOLDS



铝合金模板 Aluminium formwork

优势1: 交货周期短
Advantage 1: Short lead period

优势2: 方便装拆, 无需借助塔吊
Advantage 2: Easy assembly and disassembly without using cranes

优势3: 残值高
Advantage 3: High scrap value



自动式钢模板 Automatic steel formwork

优势1: 人工成本更低
Advantage 1: Lower labour cost

优势2: 施工效率高
Advantage 2: High construction efficiency

优势3: 应用范围广泛
Advantage 3: Applicable for different PPVC structures



非自动式钢模板 Non-automatic steel formwork

优势1: 材料成本较低
Advantage 1: Less material cost

优势2: 设计简单, 加工工艺成熟
Advantage 2: Easy design and mature technology

适用范围 APPLICATION SCOPE



预制房屋 PPVC prefabricated prefinished volumetric construction

 预制箱涵
Precast concrete box culvert

 预制电梯井
Precast modular lift shaft (LS)

 预制管廊
Prefabricated pipe gallery

 预制避难所
HSM prefabricated refuge center

 预制洗漱间
Prefabricated bathroom unit (PBU)

COMPETITIVE ADVANTAGES 产品优势

02

■ 志特PPVC整屋预制模具系统相比传统建筑技术(模具)具有以下明显优势:

Comparing to conventional building technologies in terms of construction formwork, the precast housing molds has apparent competitive advantages as listed below:

优势一:施工效率高,成品速度快

Advantage (1): High Construction Efficiency, Fast Finished Product



房屋顶板、侧墙、底板、门洞、窗户等一次性浇筑成型,极大缩短了预制周期。相比传统钢模具,施工效率上可得到50%以上的提升。

Precast housing molds can form all structures of a building, including deck, side wall, base floor, door opening and window at one time, thus minimizing duration for the precast structure formation. Compared with the traditional steel formwork, it has over 50% enhancement in working site efficiency.

优势二:安全生产

Advantage (2): Safe Construction



工人的劳动强度得到明显改善,施工安全得到更好的保障。

PPVC helps ease site labour's working intensity, while offering more assurance for construction workplace safety.

优势三: 自动化生产, 成型质量好, 成本更节省

Advantage (3): Automated Production, Good Casting Quality and More Cost Saving



伸缩式钢结构和自动化控制系统可实现机器设备替代人工的操作, 能够自动合模、脱模。相比传统钢模具, 人工成本上可节省40%以上。

The extendable steel structure and automated control system can replace manual operations by machineries, realizing automated clamping and demoulding of the product outcomes. Compared with the traditional steel formwork, it saves up over 40% of labour cost.

自支撑内外模架可不依靠穿墙螺杆抵抗混凝土侧压力, 减少人工操作, 并且极大提升预制构件质量, 成型品质上可接近清水混凝土效果, 减少房屋渗漏水的可能性。

The self-equipped with internal and the external support frame system does not need the tie-rod system to withstand side pressure of concrete pouring. With this technique in place, the production system can effectively minimize its dependence on labours, maximize the quality of precast outcome, and the most importantly, decrease the possibility of water leakage in the building formed by the system. Outcome of product casting is similar to effect of fair-faced concrete.

优势四: 环境友好

Advantage (4): Environmental Friendly



绿色、低碳、自动化程度高的作业环境, 符合全球低碳经济的趋势和各国政府倡导的绿色建筑理念, 正在逐步替代传统建筑技术。

The green, low-carbon and highly automated operating environment, in line with the trend of global low-carbon economy and the green building concept advocated by governments of various countries, is gradually replacing the operating environment brought by conventional construction technologies.



组装阶段 INSTALLATION STAGE

01 浇筑支撑台座 保证地面平整

Cast in supporting pedestal (Required flatness assurance of the ground below it)

02 测量地面水平 并放线定位

Measure the ground horizontal level by line positioning

03 安装底模 预埋套筒

Install base formwork and pre-embed tube sleeve

04 安装轨道

Install the track rail

05 安装外模 及斜撑

Install the external formwork and raking shore

06 拼装内模 及翻转安装

Set up internal formwork for turnover installation

07 安装门窗 及压槽

Install door, windows and grooves

08 安装外模油缸及 泵站B、A, 电控系统

Install the external oil tank, pump station A and B, and relative electric control system

09 绑扎钢筋 及预埋水电管

Bind up steel bars, and pre-embed water and electrical pipes

10 关闭内模 Close the internal formwork

11 安装振动器 Install the vibrator

12 浇筑混凝土 Cast in concrete

使用阶段 UTILIZATION STAGE

1 移动外模就位并拧紧拉杆

Move the external formwork to the intended place and tighten the tie-rod.

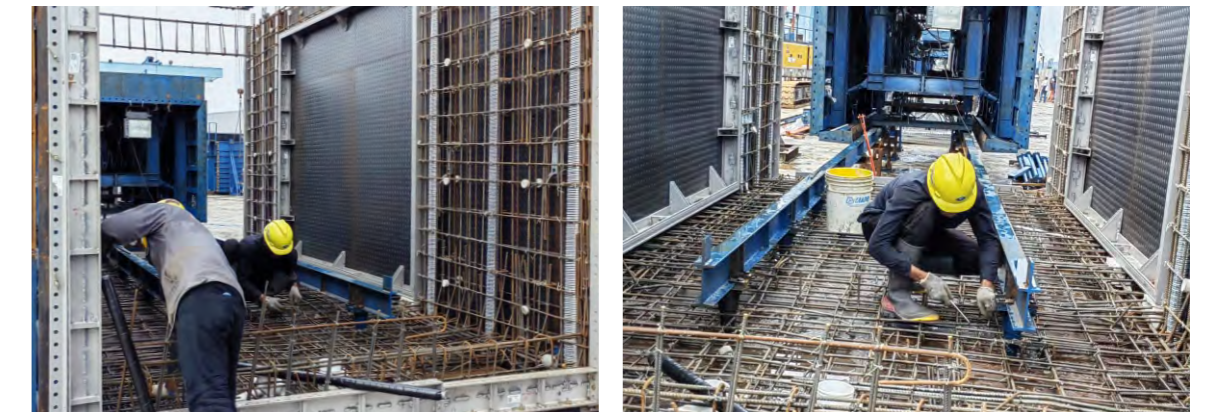


外模：
外模底部设滑动轨道，采用液压油缸控制前后移动，滑动轨道处设可调螺杆斜撑进行垂直度的调节。模板加固方式采用顶部、底模对拉。

External formwork:
Set in a mobile track rail at the bottom of external formwork. By using a hydraulic oil tank, the forward and backward mobility of the external formwork is controlled. Meanwhile, adjustable tie-rod raking shore can be set along the sliding track for verticality adjustment of the formwork sides. The formwork is reinforced by adopting the pulling strength between top formwork and bottom formwork.

2 吊装钢筋入模, 安装水电

Hoist rebar into the formwork, and install in mechanical and electrical systems.



3 安装底板支撑预埋套管及内模轨道

Install base props, pre-embed tube sleeve and internal formwork track rail.



4 移动内模就位, 并安装底部防翻浆压板, 安装零星铝模及洞口

Move the internal formwork to the intended place, and install in the bottom anti-spilling board, fragmented aluminium formworks and holes.



5 浇筑混凝土

Cast in concrete.



6 拆除零星铝模及底部翻浆压板, 移出内模, 拆除内模轨道

Dismantle fragmented aluminium formwork and the bottom anti-spilling board, move out the internal formwork and dismantle the track rail of the internal formwork.



7 移出外模

Move out the external formwork.



8 预制构件移至存放区, 开始下一个构件制作

Move the precast component to the storage area, and continue with the production of the next precast components.



MAIN COMPONENTS 主要构件

04

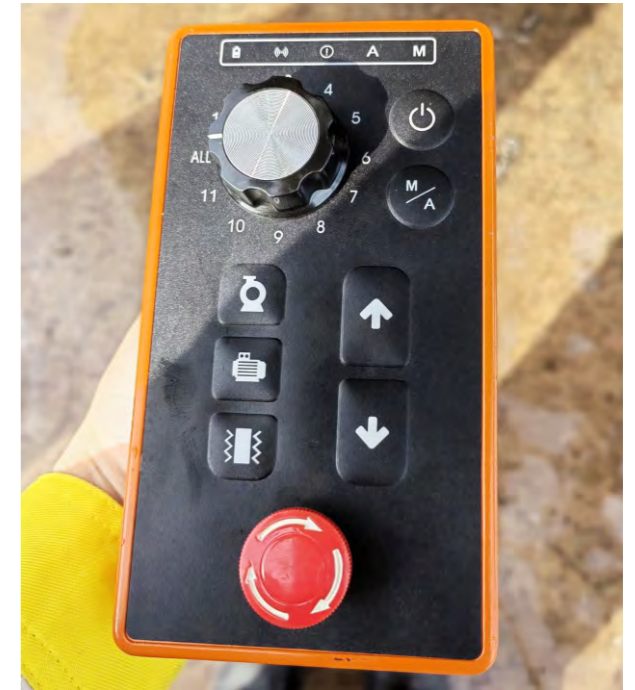
■ 架体系统 Frame System



■ 液压系统 Hydraulic System



■ 控制系统 Control System



■ 其他 Others



PROJECT CASES 工程案例

05



■ Yishun North Gaia

该项目总共11栋楼，2444个预制单元和91种预制单元结构种类。
我司提供35套自动模具和17套非自动模具通用周转使用完成此项目。

This project consists of 11 towers, formed by 2444 precast modules of 91 structural types.
GETO supplied 35 sets of automated precast mould and 17 sets of non-automated precast mould for turnover in casting in this project.



■ One Bernam

该项目为1栋楼，我司为38个预制单元提供21套自动模具通用周转。

GETO supplied 21 sets of automated precast mould for turnover in casting 38 precast modules in this tower.



■ Brownstone EC



■ Piermont Grand EC

我司提供22套PPVC模具通用周转使用帮助客户完成此项目
GETO supplied 22 sets of PPVC moulds for turnover in casting in this project.

PROJECT ON SITE

